

ABSTRACT

It is an object of the present invention to develop an inexpensive and simple method for transcription and synthesis of siRNA. The present invention provides an oligonucleotide, which at least comprises, in a direction from the 5'-terminus to the 3'-terminus:

- (1) an antisense sequence of a target nucleic acid sequence;
- (2) a trimming sequence which is cleaved with base-specific RNase;
- (3) a sense sequence of a target nucleic acid sequence;
- (4) an antisense sequence of a promoter sequence;
- (5) a sequence that forms a loop; and
- (6) a sense sequence of a promoter sequence,

wherein the above-described antisense sequence and sense sequence of a promoter sequence form a double strand in a molecule via a hairpin structure, and when DNA is transcribed, a transcriptional product from the above-described antisense sequence and sense sequence of a target nucleic acid sequence forms a double strand in a molecule via the trimming sequence.